

Work Order ID 148532

Tuesday, July 05, 2016 11:32:34 AM

148532

Page 1

Item ID: 646.9501 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: 206A / B / L Cable Cutter System, High
 Start Date: 7/5/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 7/19/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: DAS 21 9-89 Date: JUL 05 2016 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.9500	N/C								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.9501								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.01							
Quality Control									

SEP 01 2016

DAS
6
9-89

JUL 27 2016

DAS
28
9-89

JAN 20 2017

Q PC

SEP 07 2016

DAS
27
9-89

DAS
28
9-89

JAN 20 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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Page 2

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Revision ID: Stop ***NS2***
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Start Date: 7/5/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 7/19/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PTP 646.9501 Location: FG101								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.02							
Quality Control									

DAS 28 9-89 **DAS 27 9-89** JAN 20 2017

DAS 21 9-89 JAN 23 2017

DAS 21 9-89 JAN 23 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
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Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Page 1

Work Order ID: 148532

148532

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
600.0990 *600 0990* Magnabond 6398 Part A Size 112 ml		Purchased	No			110	Each	20.0000	1	1			
02/01/2017 DAS 28 9-89 B: 136862 NEW 10/01/2017 EXP													
						<u>Loc Qty</u>	<u>Loc Code</u>						
						CA002	7						
						M134167	7						
						CA2	12						
						M134249	12						
						PKG	1						
						M135135	1						
600.0991 *600 0991* MAGNOBOND 6398 PART B Size 112 ml		Purchased	No			110	Each	20.0000	1	1			
02/01/2017 DAS 28 9-89 B: 136862 NEW 10/01/2017 EXP													
						<u>Loc Qty</u>	<u>Loc Code</u>						
						CA002	7						
						m134167	7						
						CA2	12						
						m134249	12						
						PKG	1						
						m135135	1						

SEP 07 2006

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
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Work Order ID: 148532

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Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

600.1012 Purchased No

110 Each 21.0000

600 1012

Sealant PR1425B2 (#654 sem)

01/01/2017
2016/12
ENC
DAS 28 9-89
05/31/2017

Location

Loc Qty

Loc Code

cck017

20

m134249

2

m134634

10

m135135

8

cck018

1

m131364

1

10/30/2015

**

1

1

135907
135907
136192

DAS 27 9-89

646.9601 Manufactured No

110 Each 2.0000

646 9601

Upper Cutter Assembly

DAS 28 9-89

Location

Loc Qty

Loc Code

cck039

2

128183

2

**

1

1

138959
DAS 6 9-89

DEC 02 2016

DAS 27 9-89

646.9602 Manufactured No

110 Each 27.0000

646 9602

Lower Cutter Assembly High

DAS 28 9-89

Location

Loc Qty

Loc Code

CCK037

13

109598

13

CCK038

14

105805

4

126804

10

**

1

1

DEC 02 2016

DAS 27 9-89

646.9810 Manufactured No

110 Each 4.0000

646 9810

Deflector

DAS 28 9-89

Location

Loc Qty

Loc Code

CCK031

4

140775

4

**

1

1

146598

DEC 02 2016

DAS 27 9-89

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				Lead hand / Supervisor Approval Verification	
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Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
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Page 3

Work Order ID: 148532

148532

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

646.9910
646.9910
Struts

Manufactured No

110 Each 35.0000

4 4

** 150149

DEC 02 2016

DAS 6 27 9-89

Location

Loc Qty

Loc Code

CCK014

35

142643

25

93189

10

647.0110
647.0110
Roof Doubler

Manufactured No

110 Each 0.0000

1 1

** 172622

DEC 02 2016

DAS 6 27 9-89

647.0111
647.0111
Panel

Manufactured No

110 Each 5.0000

1 1

** 142691

DEC 02 2016

DAS 6 27 9-89

Location

Loc Qty

Loc Code

CCK088

5

126233

5

647.0112
647.0112
Strut Bracket

Manufactured No

110 Each 62.0000

8 8

** 150114

DEC 02 2016

DAS 6 27 9-89

Location

Loc Qty

Loc Code

CCK107

4

140968

4

CCK108A

58

142661

58

647.0113
647.0113
Strut Doubler

Manufactured No

110 Each 27.0000

2 2

** 2

DEC 02 2016

DAS 6 27 9-89 SEP 09 2016

Location

Loc Qty

Loc Code

CCK089

27

142256

27

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Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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148532

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

647.0114
647 0114

Clip

DAS
28
9-89

Manufactured No

110 Each 66.0000 1 1

**

DEC 02 2016

DAS 6 27
9-89

Location

Loc Qty

Loc Code

CCK107

66

106616

66

647.0115
647 0115

Clip

DAS
28
9-89

Manufactured No

110 Each 61.0000 1 1

**

DEC 02 2016

DAS 6 27
9-89

Location

Loc Qty

Loc Code

cc107

61

106617

61

647.0116
647 0116

Doubler

DAS
28
9-89

Manufactured No

110 Each 19.0000 2 2

**

DEC 02 2016

DAS 6 27
9-89

Location

Loc Qty

Loc Code

CCK107

19

126234

19

647.0210
647 0210

Rail

DAS
28
9-89

Manufactured No

110 Each 9.0000 1 1

**

DEC 02 2016

DAS 6 27
9-89

Location

Loc Qty

Loc Code

CCK089

9

91440

9

SEP 07 2016

Tuesday, July 05, 2016 11:32:37 AM

Shop Packet Print

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
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646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

647.0310

Manufactured No

110

Each

25.0000

2

2

647 0310

Channel

**

DEC 02 2016

DAS 6 27
9-89

DAS 28
9-89

Location

Loc Qty

Loc Code

CCK090

25

116955

1

122989

2

141025

6

144607

16

647.0410

Manufactured No

110

Each

9.0000

1

1

647 0410

Tube

**

DEC 02 2016

DAS 6 27
9-89

DAS 28
9-89

Location

Loc Qty

Loc Code

CCK107

9

138413

4

145498

5

647.1210

Manufactured No

110

Each

16.0000

1

1

647 1210

Screen

**

DEC 02 2016

DAS 6 27
9-89

DAS 28
9-89

Location

Loc Qty

Loc Code

CCK107

16

138299

4

142727

12

SFP 07

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

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Page 6

Work Order ID: 148532

148532

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-10A

Purchased

No

110

Each

283.0000

8

8

AN3-10A

Bolt

**

135530

DAS 6 27 9-89 9-89

Location

Loc Qty

Loc Code

GA

2

m132763

1

m134573

1

over003

100

m134943

100

ST349

181

m134249

56

m134754

25

m135135

100

DEC 02 2016

DAS 28 9-89

AN3-11A

Purchased

No

110

Each

133.0000

8

8

AN3-11A

Bolt

**

135672

DAS 6 27 9-89 9-89

Location

Loc Qty

Loc Code

over003

100

m134852

100

ST349

33

m134167

33

DEC 02 2016

DAS 28 9-89

AN3-3A

Purchased

No

110

Each

177.0000

1

1

AN3-3A

Bolt

**

135672

DAS 6 27 9-89 9-89

Location

Loc Qty

Loc Code

ST350

177

m134738

25

m134848

16

m134962

36

m135046

100

DEC 02 2016

DAS 28 9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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Work Order ID: 148532

148532

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

AN743-13 Purchased No

110 Each 31.0000 1 1

AN743-13

Bracket

**

DEC 02 2016

DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST330

31

M129732

31

CCR264SS3-04

Purchased No

110 Each 427.0000 12 12

CCR264SS3-04

Rivet

**

DEC 02 2016

DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST321

427

123785

400

m129702

27

CCR264SS-3-06

Purchased No

110 Each 81.0000 8 8

CCR264SS-3-06

Rivet

**

DEC 02 2016

DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST321

81

m133988

81

CCR264SS3-2

CCR264SS3-02

Purchased No

110 Each 0.0000 4 4

CCR264SS3-2

Rivet, Cherry

**

DEC 02 2016

DAS 6 9-89

DAS 27 9-89

CR3212-4-4

CR3212-4-04

Purchased No

110 Each 0.0000 1 1

CR3212-4-4

CHERRY RIVET

**

DEC 02 2016

DAS 6 9-89

DAS 27 9-89

SEP 07 2016

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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Work Order ID: 148532

148532

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

CR3212-5-4 Purchased No

110 Each 196.0000 8 8

CR3212-5-4

Cherry Rivet

**

DEC 02 2016

DAS 6 27 9-89

Location

Loc Qty

Loc Code

ST320

196

m133709

196

CR3213-4-05 Purchased No

110 Each 215.0000 26 26

CR3213-4-05

RIVET

**

DEC 02 2016

DAS 6 27 9-89

Location

Loc Qty

Loc Code

CCK003

100

m135056

100

CCK005

100

m135135

100

ST319

15

m134852

15

CR3213-4-1 Purchased No

110 Each 132.0000 14 14

CR3213-4-1

Cherry Rivet

**

DEC 02 2016

DAS 6 27 9-89

Location

Loc Qty

Loc Code

ST320

132

m131340

8

m133577

24

m134370

100

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

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Work Order ID: 148532

148532

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-2
CR3213-4-2
Cherry Rivet

Purchased No 110 Each 279.0000 18 18

**

DEC 02 2016

DAS 6 27 9-89

Location	Loc Qty	Loc Code
CCK003	100	
m134058	100	
ST320	179	
123301	179	

18

DEC 02 2016

CR3213-4-3
CR3213-4-3
Rivet, Cherry

Purchased No 110 Each 244.0000 18 18

**

135470

DAS 6 27 9-89

Location	Loc Qty	Loc Code
CCK003	100	
m135135	100	
ST319	144	
m131340	144	

DEC 02 2016

CR3213-4-4
CR3213-4-4
Rivet, Cherry

Purchased No 110 Each 177.0000 19 19

**

13692

DAS 6 27 9-89

Location	Loc Qty	Loc Code
ST319	177	
M130388	35	
M134962	142	

CR3213-4-6
CR3213-4-6
Rivet

Purchased No 110 Each 266.0000 20 20

**

DEC 02 2016

DAS 6 27 9-89
SEP 07 2016

Location	Loc Qty	Loc Code
ST319	266	
M131800	266	

20

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Work Order ID: 148532

148532

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042-08 MS21042L08 Purchased No
MS21042-08
 USE MS21042L08

110 Each 33.0000

54
 ** 54

X135466 pc

DAS 27 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
ST304	25	
122815	25	
ST306	8	
m130388	8	

MS21042-3 MS21042L3 Purchased No
MS21042-3
 Nut / use MS21042L3

110 Each 0.0000

17
 ** 17

X m135 135 pc

DAS 27 9-89

DAS 28 9-89

MS21047-3 Purchased No
MS21047-3
 Nut Plate

110 Each 133.0000

6
 ** 6

pc

DAS 27 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
over005	100	
m134955	100	
ST301	33	
m134166	23	
m134676	10	

MS21059-3 Purchased No
MS21059-3
 Nut Plate

110 Each 523.0000

2
 ** 2

pc

DAS 27 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
CA	6	
123301	6	
ST301	517	
123023	50	
123900	467	

6
 2

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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Work Order ID: 148532

148532

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS21059L08

Purchased

No

110

Each

197.0000

4

4

MS21059L08

Nut

**

PC

DAS 27 9-89

Location

Loc Qty

Loc Code

ST300

197

m134634

97

m134943

100

4

MS24694-S8

Purchased

No

110

Each

117.0000

5

5

MS24694-S8

Screw

**

PC

DAS 27 9-89

Location

Loc Qty

Loc Code

ST285

117

M129909

17

M134654

100

5

MS27039-08-06

Purchased

No

110

Each

102.0000

4

4

MS27039-08-06

Screw

**

PC

DAS 27 9-89

Location

Loc Qty

Loc Code

ST278

102

m126249

102

4

MS27039-08-09

Purchased

No

110

Each

32.0000

4

4

MS27039-08-09

Screw

**

4
XN135 536 PC DAS 27 9-89

Location

Loc Qty

Loc Code

ST278

32

m131317

32

SEP 07 2016

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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Work Order ID: 148532

148532

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-11

Purchased

No

110

Each

446.0000

43

43

MS27039-08-11

SCREW

**

PC

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

300

m134676

300

43

ST278

146

m133769

146

MS27039-08-12

Purchased

No

110

Each

113.0000

2

2

MS27039-08-12

Screw

**

PC

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST278

113

123352

13

124326

100

2

MS27039-08-13

Purchased

No

110

Each

198.0000

6

6

MS27039-08-13

Screw

**

PC

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST278

198

124326

198

6

SEP 07 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Tuesday, July 05, 2016 11:32:38 AM

Page 13

Work Order ID: 148532

148532

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-08

Purchased

No

110

Each

460.0000

5

5

MS27039-1-08

Screw

**

PC

DAS 27 9-89

Location

Loc Qty

Loc Code

FP001

73

m128636

73

GA

73

125654

2

m128636

71

ST281

314

m134502

14

m134762

300

MS27039-1-11

Purchased

No

110

Each

155.0000

5

5

MS27039-1-11

Screw

**

PC

DAS 27 9-89

Location

Loc Qty

Loc Code

GA

20

125654

13

9662

7

over006

50

m134738

50

ST280

85

124326

85

MS35842-11

Purchased

No

110

Each

25.0000

1

1

MS35842-11

Hose Clamp

**

130328

DEC 02 2016

DAS 27 9-89 DAS 6 9-89

Location

Loc Qty

Loc Code

CCK007

20

m134943

20

ST269

5

m134039

5

SEP 07 2016

Tuesday, July 05, 2016 11:32:38 AM

Shop Packet Print

Page 13

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By _____					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Tuesday, July 05, 2016 11:32:38 AM

Page 14

Work Order ID: 148532

148532

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

2,818.000

62

62

NAS1149F0332P

Washer

**

PC

DAS 27 9-89

Location

Loc Qty

Loc Code

GA

312

m133709

312

ST262

2506

m134257

- 37

m134676

469

m135058

2000

62

NAS1149FN832P

Purchased

No

110

Each

3,224.000

111

111

NAS1149FN832P

Washer

**

DEC 02 2016

DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

GA

361

M133316

16

M133769

345

ST260a

2800

M134257

1200

M135058

1600

111

ST263

63

M133709

63

NAS1835-08

Purchased

No

110

Each

48.0000

4

4

NAS1835-08

Insert

**

PC

DAS 27 9-89

Location

Loc Qty

Loc Code

st549

48

m129913

24

m135127

24

4

SEP 07 2016

Tuesday, July 05, 2016 11:32:38 AM

Shop Packet Print

Page 14

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

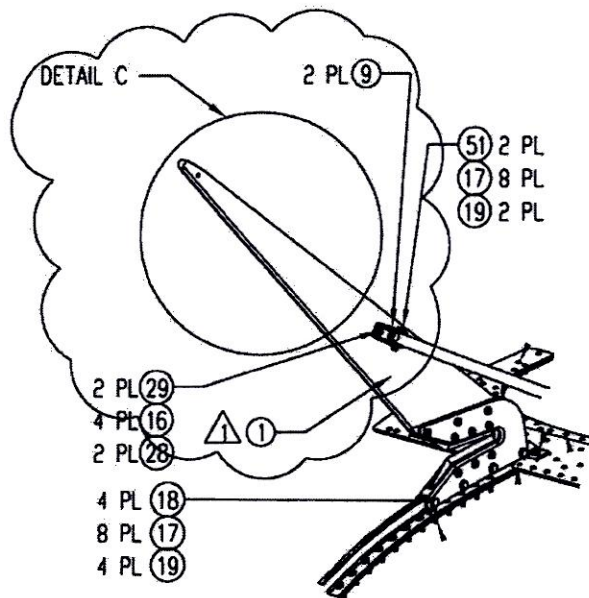
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03047				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: NC	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: ADDED GPS MOUNT KIT, F/N 52. REVISED DRAWING VIEWS. ADDED NOTE <u>2</u> .					

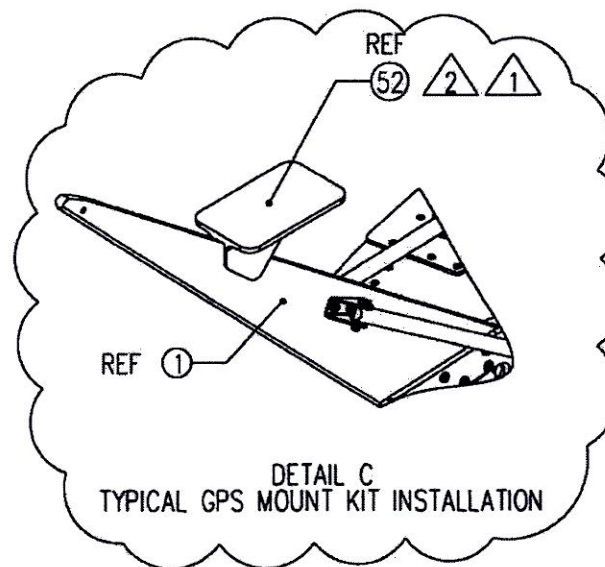
SHEET 1, ZONE B1 IS:

2 AT CUSTOMERS OPTION, INSTALL F/N 52 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A3 IS:



SHEET 2, ZONE B2 IS:



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 148532 MCS
16-07-05

52	A	647.5701	REF	REF	GPS MOUNT KIT	<u>2</u>	
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL	SPECIFICATION
			.9502 .9501				
DOCUMENTS EFFECTED:						CHANGE CATEGORY	
☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM						☐ MAJOR ☒ MINOR	
						DER REVIEW REQUIRED	
						☐ YES ☒ NO	

w/o 146296

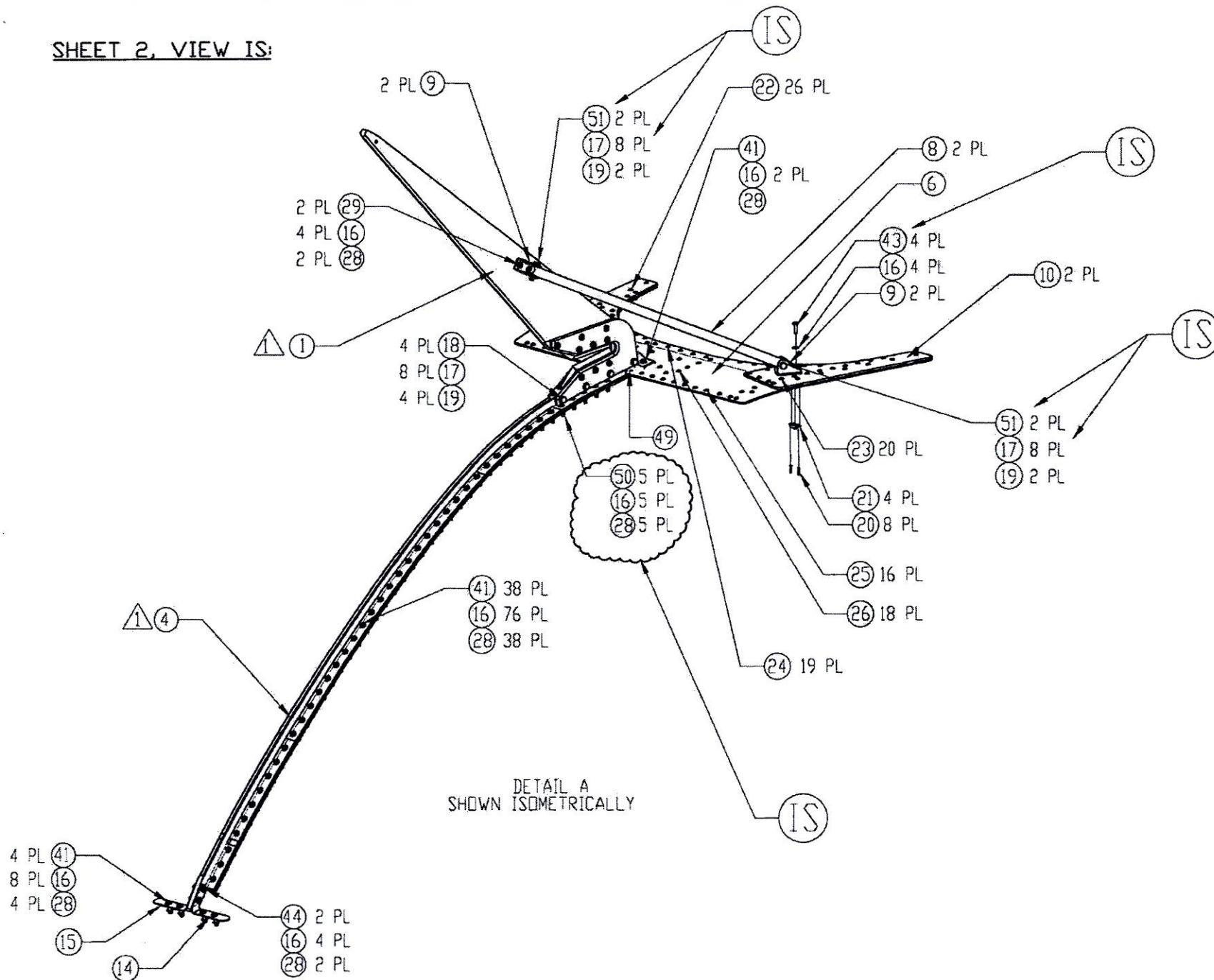
dm 16/05/16

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736			SHEET 1 OF 1	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: 206 CABLE CUTTERS KIT				
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: CORRECTED PARTS LIST ERRORS				

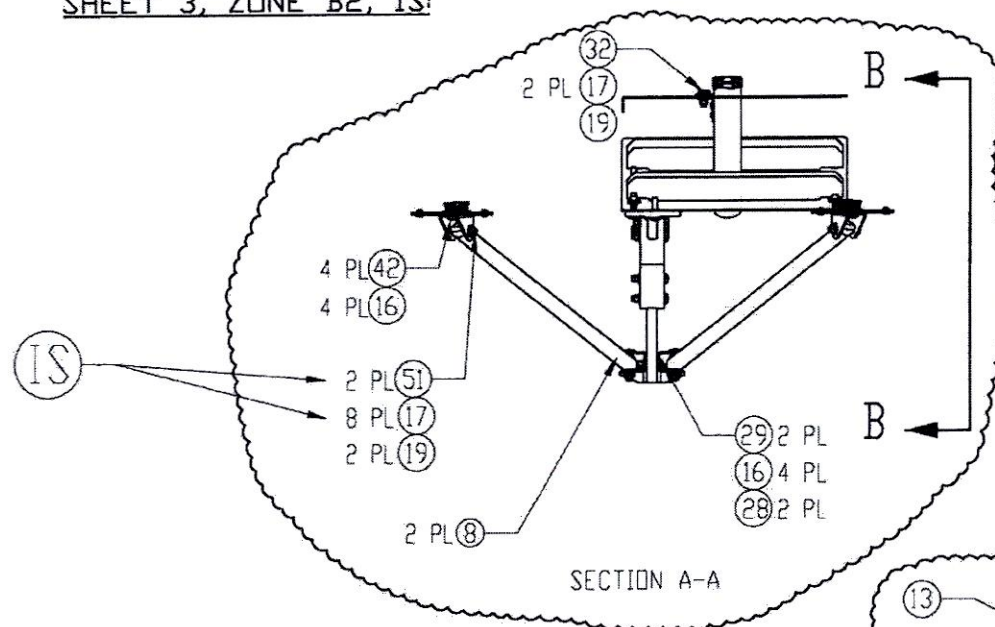
17	R	601.1607	62	62	WASHER	NAS1149F0332P	
16	R	601.2764	111	111	WASHER	NAS1149FN832P	
			9502	9501			
F/N	TC	PART NUMBER	QTY	DESCRIPTION		MATERIAL/SPECIFICATION	
DOCUMENTS EFFECTED:					CHANGE CATEGORY		DER REVIEW REQUIRED
☐ MDL ☒ INSTALL INSTRU ☒ ICA ☐ FMS ☒ BOM					☐ MAJOR ☒ MINOR		☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV IN/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY:		ENGR <i>[Signature]</i>	MEG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL				

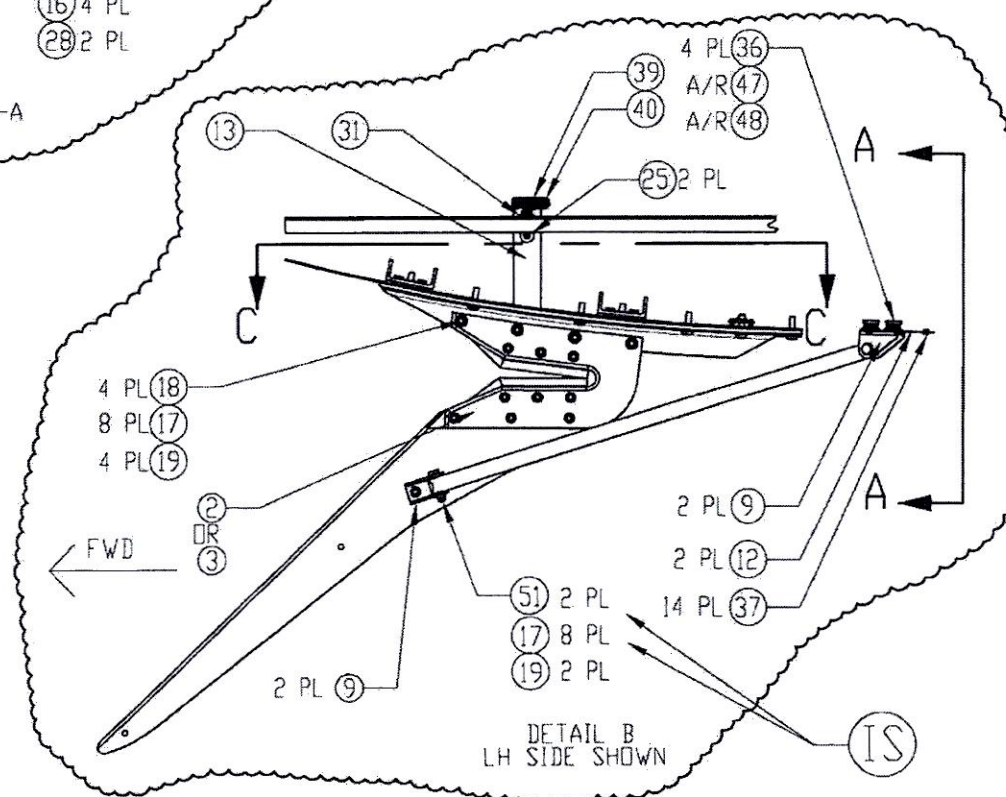
51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BDM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

SHEET 2, VIEW IS:

SHEET 3, ZONE B2, IS:

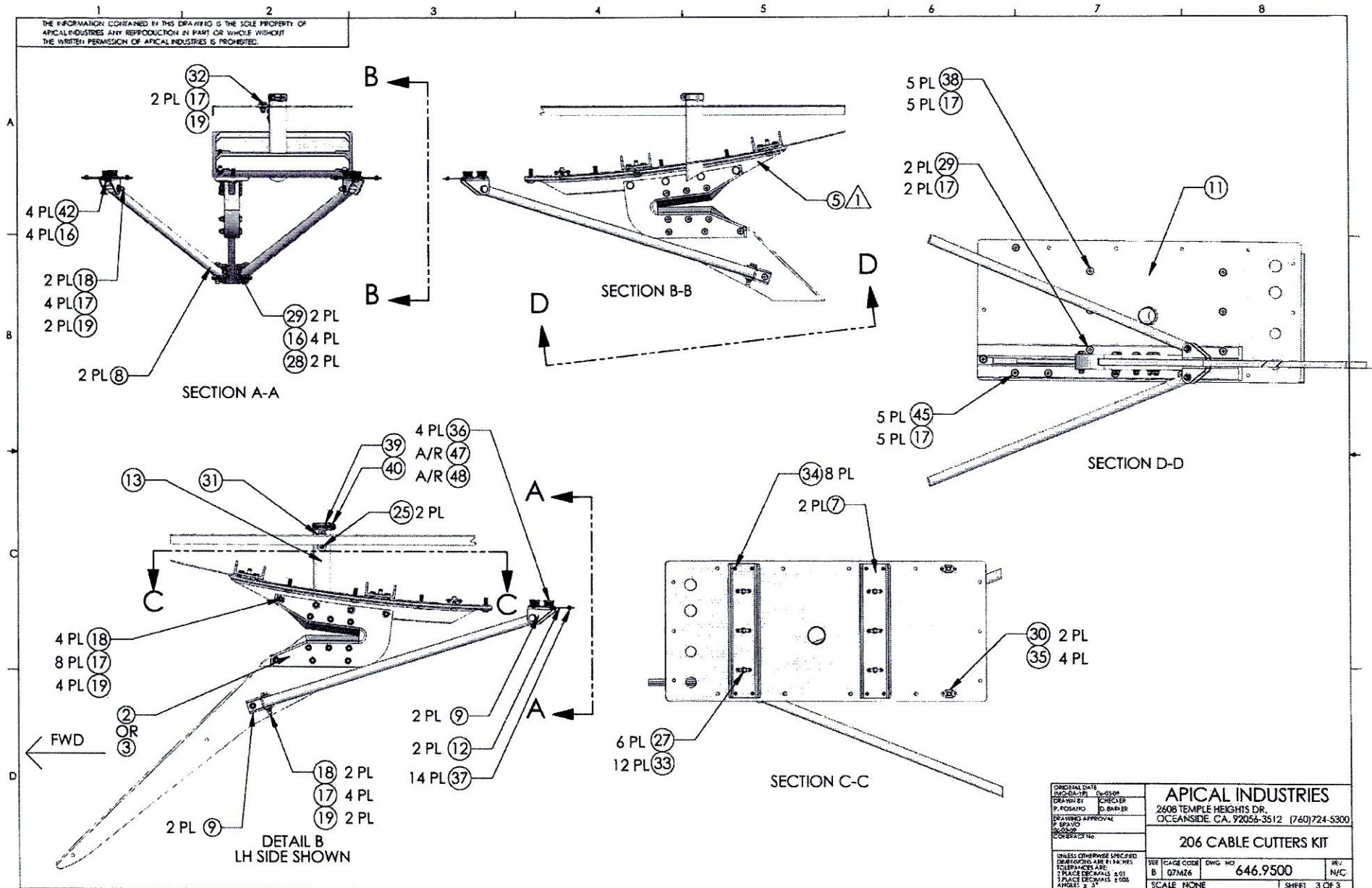


SHEET 3, ZONE D2, IS:



SIZE B	CAGE CODE 07M26	DWG NO 646.9500	REV N/C
SCALE NONE		SHEET 1 OF 3	

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ORIGINAL DATE		20-03-00	
DRAWN BY	P. ROSARIO	CHECKED	D. BARBER
DESIGNING APPROVAL	P. ROSARIO	MANUFACTURING APPROVAL	
UNLESS OTHERWISE SPECIFIED			
DIMENSIONS ARE IN INCHES			
TOLERANCES ARE:			
2 PLACE DECIMALS ± .01			
3 PLACE DECIMALS ± .005			
ANGLES ± .5°			
SEE	107MA26	DWG. NO.	646.9500
SCALE	NONE	SHEET	3 OF 3

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

206 CABLE CUTTERS KIT

Work Order ID 148532

148532

Tuesday, July 05, 2016 11:32:34 AM

Accept

N900040100

Setup Start

NS1

Stop

NS2

Item ID: 646.9501

Revision ID:

Item Name: 206A / B / L Cable Cutter System, High

Start Date: 7/5/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 7/19/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Run Start

NR1

Stop

NR2

Approvals:

Process Plan:

Date: JUL 05 2016

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

SEP 01 2016

646.9500

N/C

0.00

~~JUL 27 2016~~

100

Document Control

DOCUMENT CONTROL

100

DC

Doc.Control -USB or Paperwork

Memo

Photocopy bluefile & type labels per PPP 646.9501

0.00

DAS
21
9-89

SEP 01 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Quality Control

Memo

0.01

REFERENCE ONLY

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: HARDWARE REVISIONS FROM FIRST INSTALL					

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO